In the Claims

The following is an amendment to and a complete listing of claims that replaces all prior versions, and listings, of claims in this application.

Listing of Claims:

1. (Currently amended) A method of determining characteristics representative of a physical and/or chemical transformation, in particular a reaction, the transformation occurring in a medium, in particular a reaction medium, flowing within at least one microreactor [[(1)]], the method comprising the following steps:

[[·]] establishing a flow of the medium under steady conditions through at least one region (6) of the microreactor wherein the steady conditions of the flow of the medium are provided so that firstly, magnitudes of the transformation involved in the medium at a given point in time are constant over time, and secondly, parameters relating to flow of the medium, including a flow rate thereof, are constant over time, with the flow rate being in a range of 1mL/h to 1L/h;

[[·]] using an analyzer ~~means (11)~~ to access the steady flow at at least one point ~~($6_1$, $6_2$)~~;

[[·]] measuring at least one magnitude characteristic of the medium at the ~~or each~~ at least one point ~~($6_1$, $6_2$)~~ by using the analyzer ~~means (11)~~; and

[[·]] determining ~~(via 10'; BR)~~ characteristics representative of the transformation as a function of the result of the ~~or each~~ at least one measurement.

2. (Currently amended) A method according to claim 1, ~~characterized in that~~ including accessing the steady flow ~~is accessed~~ at different points ~~($6_1$, $6_2$)~~ that are distinct from one another in time and/or space.

3. (Currently amended) A method according to claim 2, ~~characterized in that~~ including accessing the different points ~~($6_1$, $6_2$) are accessed that are distinct from one another in space~~ at spaced locations.

4. (Currently amended) A method according to claim 3, ~~characterized in that~~ wherein, in order to access the different points, the microreactor is displaced while keeping the analyzer [[means]] stationary.

5. (Currently amended) A method according to claim 3, ~~characterized in that~~ wherein, in order to access the different points, the analyzer [[means]] is displaced while keeping the microreactor stationary.

6. (Currently amended) A method according to claim 1, ~~characterized in that~~ wherein the analyzer [[means]] is used so as to be non-destructive with respect to the reaction medium.

7. (Currently amended) A method according to claim 1, ~~characterized in that~~ wherein the analyzer ~~means is invasive, in particular the sensor is~~ includes a sensor probe and the probe is placed into the flow of medium.

8. (Currently amended) A method according to claim 1 [[to 6]], ~~characterized in that the or each~~ wherein the at least one point of the steady flow is accessed through a zone [[(8)]] of the microreactor [[(1)]] that is permeable to the analyzer ~~means (11), in particular~~ and includes a window [[(8)]] that is transparent to visible light.

9. (Currently amended) A method according to claim 1, ~~characterized in that~~ wherein the transformation is a chemical and/or physical reaction.

10. (Currently amended) A method according to claim 1, ~~characterized in that~~ wherein the transformation is a crystallization.

11. (Currently amended) A method according to claim 1, ~~characterized in that~~ wherein the steady flow possesses a rate lying in ~~the range 1 mL/h to 1 L/h, and preferably~~ in the range of 0.1 L/h to 1 L/h.

12. (Currently amended) A method according to 1, ~~characterized in that~~ wherein the parameters specific to the transformation are determined ~~(by 10')~~ as characteristics representative of [[said]] the transformation.

13. (Currently amended) A method according to claim 1, ~~characterized in that~~ wherein the running parameters of the transformation are determined (by BR) as characteristics representative of the transformation.

14. (Currently amended) A method according to claim 13, ~~characterized in that the or each microreactor (1) within which the running parameters of the transformation are determined is/are~~ wherein a plurality of microreactors are disposed in parallel with one another ~~other microreactors ($1_2$, ..., $1_n$)~~, and feeding the ~~various~~ plurality of microreactors ~~are fed~~ with the same media, possessing the same flow rates, and under the same operating conditions.

15. (Currently amended) A method according to claim 14, ~~characterized in that the various parallel-connected~~ wherein the plurality of microreactors ~~(1, $1_2$, ..., $1_n$)~~ are fed by ~~means of~~ a single upstream feed line [[(L)]].

16. (Currently amended) A method according to claim 13, ~~characterized in that~~ wherein at least one instantaneous value (m) is obtained of at least one magnitude characteristic of the

medium, the ~~or each~~ at least one instantaneous value is compared with a reference value (c) for the ~~or each~~ at least one characteristic magnitude, and the running of the transformation is modified (by s) as a function of [[the]] a value of [[the]] a ratio between said measured value and said reference value.

17. (Currently amended) An installation for determining characteristics representative of a physical and/or chemical transformation, in particular a reaction, for implementing the method in accordance with claim 1, said transformation occurring in ~~a medium, in particular~~ a reaction medium, and the installation comprising:

[[·]] at least a first microreactor [[(1)]] through which [[said]] the medium is suitable for flowing;

[[·]] an analyzer means [[(11)]];

[[·]] means [[(8)]] for accessing at least one point of a flow of the medium under steady conditions in at least one region [[(6)]] of the first microreactor;

[[·]] means ~~(10, 11)~~ for taking at least one measurement of at least one magnitude characteristic of the medium ~~in the or each~~ the at least one point; and

[[·]] means ~~(10'; BR)~~ for determining characteristics representative of the transformation as a function of [[the]] a result of the ~~or each~~ at least one measurement.

18. (Currently amended) An installation according to claim 17, ~~characterized in that~~ including displacement means ~~are provided suitable~~ for displacing the analyzer means [[(11)]] and the microreactor [[(1)]] relative to each other.

19. (Currently amended) An installation according to claim 17, ~~characterized in that~~ wherein the analyzer means is non-destructive relative to the reaction medium.

20. (Currently amended) An installation according to claim 17, ~~characterized in that~~ wherein the analyzer means ~~is intrusive, in particular the~~ includes a sensor [[is a]] probe.

21. (Currently amended) An installation according to claim 17, ~~characterized in that~~ wherein the access means ~~comprise~~ includes ~~a zone (8) of the microreactor (1) that is permeable to the analyzer means (11), in particular~~ a window [[(8)]] that is transparent to visible light.

22. (Currently amended) An installation according to claim 17, ~~for implementing the method according to claim 12, the installation being characterized in that~~ wherein the means for determining characteristics representative of the transformation are means [[(10')]] for determining parameters specific to [[said]] the transformation.

23. (Currently amended) An installation according to claim 22, ~~characterized in that~~ wherein the means for determining parameters specific to [[said]] the transformation include a computer [[(10')]].

24. (Currently amended) An installation according to claim 17, ~~the installation being characterized in that~~ wherein the means for determining characteristics representative of the transformation are means (BR) for determining running parameters for [[said]] the transformation.

25. (Currently amended) An installation according to claim 24, ~~characterized in that~~ wherein the means for determining running parameters of the transformation ~~comprise~~ a regulation loop (BR).

26. (Currently amended) An installation according to claim 25, ~~characterized in that~~ wherein the regulation loop (BR) ~~possess~~ includes a measurement line (m) ~~put into~~ in communication with the analyzer means ~~(11) and suitable~~ for providing at least one

instantaneous value of at least one characteristic magnitude, a reference line (c) ~~suitable~~ for providing at least one reference value for at least one characteristic magnitude, and an output line (s) ~~put into~~ in communication with means [[(12)]] for running the reactor.

27. (Currently amended) An installation according to claim 24, ~~characterized in that it further comprises~~ including at least one [[other]] second microreactor ~~($1_2$, ..., $1_n$)~~ connected in parallel with the ~~or each~~ first microreactor (1).

28. (Currently amended) An installation according to claim 27, ~~characterized in that~~ wherein the ~~various~~ first and second microreactors ~~(1, $1_2$, ..., $1_n$)~~ are fed by means of a single upstream feed line [[(L)]].